

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

Po Box 458
Hays, Ks.67601

ATTN: Eddie Glassman

4-10s-21w-Graham

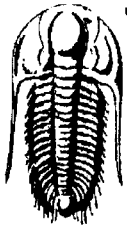
DeYoung #5

Start Date: 2005.02.06 @ 10:52:31

End Date: 2005.02.06 @ 16:12:31

Job Ticket #: 20257 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks.67601

4-10s-21w-Graham

Job Ticket: 20257

DST#: 1

ATTN: Eddie Glassman

Test Start: 2005.02.06 @ 10:52:31

GENERAL INFORMATION:

Formation: **LKC-"I-J"**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 12:16:16

Time Test Ended: 16:12:31

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3676.00 ft (KB) To 3700.00 ft (KB) (TVD)**

Reference Elevations: **2285.00 ft (KB)**

Total Depth: **3700.00 ft (KB) (TVD)**

2275.00 ft (CF)

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: 10.00 ft

Serial #: 6741

Inside

Press@RunDepth: **25.41 psig @ 3678.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.02.06**

End Date:

2005.02.06

Last Calib.: **1899.12.30**

Start Time: **10:52:33**

End Time:

16:12:31

Time On Btm: **2005.02.06 @ 12:16:01**

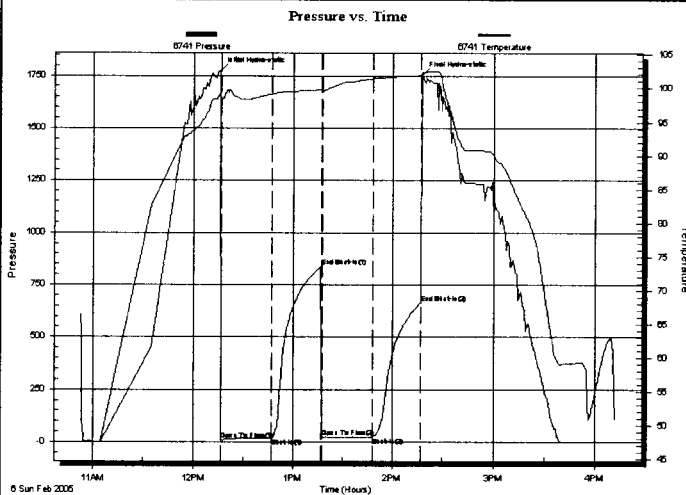
Time Off Btm: **2005.02.06 @ 14:17:31**

TEST COMMENT: FFP-Weak Blow, 1/4"

ISI-Dead

FFP-Weak Surface Blow After 25 Min.

FSI-Dead



PRESSURE SUMMARY

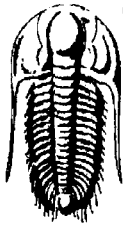
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.42	99.01	Initial Hydro-static
1	8.26	98.49	Open To Flow (1)
32	19.00	99.14	Shut-In(1)
61	837.89	99.77	End Shut-In(1)
62	21.20	99.63	Open To Flow (2)
93	25.41	101.46	Shut-In(2)
121	663.82	101.87	End Shut-In(2)
122	1754.10	102.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud With Oil Spots in Tool	0.01

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

Job Ticket: 20257

DST#: 1

ATTN: Eddie Glassman

Test Start: 2005.02.06 @ 10:52:31

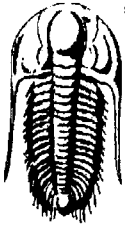
Tool Information

Drill Pipe:	Length: 3649.00 ft	Diameter: 3.80 inches	Volume: 51.19 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3676.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3656.00	
Shut In Tool	5.00			3661.00	
Hydraulic tool	5.00			3666.00	
Packer	5.00			3671.00	21.00 Bottom Of Top Packer
Packer	5.00			3676.00	
Stubb	1.00			3677.00	
Perforations	1.00			3678.00	
Recorder	0.00	6741	Inside	3678.00	
Perforations	19.00			3697.00	
Recorder	0.00	13252	Outside	3697.00	
Bullnose	3.00			3700.00	24.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

Job Ticket: 20257

DST#: 1

ATTN: Eddie Glassman

Test Start: 2005.02.06 @ 10:52:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud With Oil Spots in Tool	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

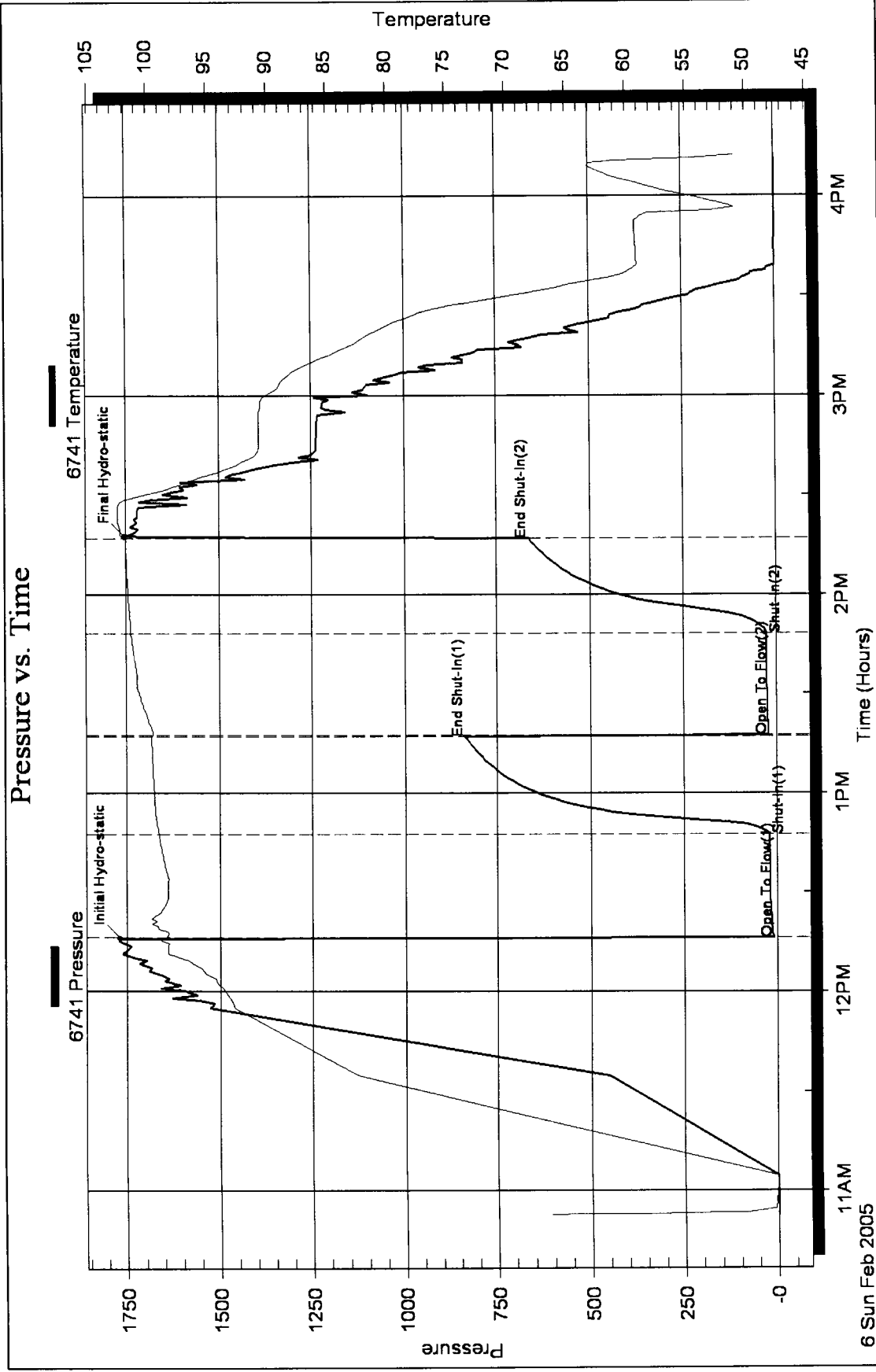
Serial #: 6741

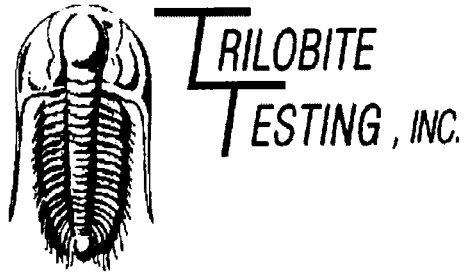
Inside

Tengasco Inc.

4-10s-21w-Graham

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

Po Box 458
Hays, Ks.67601

ATTN: Eddie Glassman

4-10s-21w-Graham

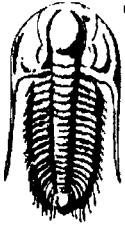
DeYoung #5

Start Date: 2005.02.07 @ 06:15:48

End Date: 2005.02.07 @ 13:07:18

Job Ticket #: 20258 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

ATTN: Eddie Glassman

Job Ticket: 20258 **DST#: 2**

Test Start: 2005.02.07 @ 06:15:48

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 07:58:33

Time Test Ended: 13:07:18

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3818.00 ft (KB) To 3852.00 ft (KB) (TVD)**

Total Depth: **3852.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2285.00 ft (KB)**

2275.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6741 **Inside**

Press@RunDepth: **87.62 psig @ 3824.00 ft (KB)**

Start Date: **2005.02.07**

End Date:

2005.02.07

Start Time: **06:15:50**

End Time:

13:07:18

Capacity: **7000.00 psig**

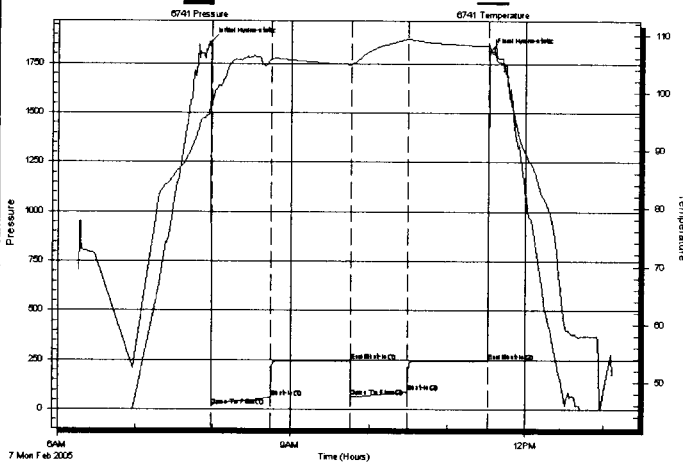
Last Calib.: **1899.12.30**

Time On Btm: **2005.02.07 @ 07:58:18**

Time Off Btm: **2005.02.07 @ 11:32:03**

TEST COMMENT: FFP-Good Blow ,BOB in 34Mn.
ISI-Weak Surface Blow back After 30 Min.
FFP-Fair Blow , Built to 6"
FSI-Weak Surface Blow back After 35 Min.

Pressure vs. Time



PRESSURE SUMMARY

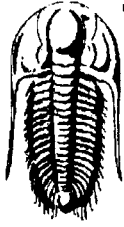
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.23	98.80	Initial Hydro-static
1	15.18	98.51	Open To Flow (1)
46	59.52	105.64	Shut-In(1)
108	243.27	104.89	End Shut-In(1)
108	61.77	104.82	Open To Flow (2)
151	87.62	109.30	Shut-In(2)
213	244.10	108.17	End Shut-In(2)
214	1814.25	108.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCMV-25%O-30%W-45%M	0.42
130.00	Free Oil	1.82

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

Job Ticket: 20258

DST#: 2

ATTN: Eddie Glassman

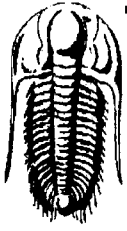
Test Start: 2005.02.07 @ 06:15:48

Tool Information

Drill Pipe:	Length: 3773.00 ft	Diameter: 3.80 inches	Volume: 52.93 bbl	Tool Weight:	1600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 53.08 bbl</u>	Tool Chased	8.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3818.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3798.00	
Shut In Tool	5.00			3803.00	
Hydraulic tool	5.00			3808.00	
Packer	5.00			3813.00	21.00 Bottom Of Top Packer
Packer	5.00			3818.00	
Stubb	1.00			3819.00	
Perforations	5.00			3824.00	
Recorder	0.00	6741	Inside	3824.00	
Perforations	25.00			3849.00	
Recorder	0.00	13252	Outside	3849.00	
Bullnose	3.00			3852.00	34.00 Bottom Packers & Anchor

Total Tool Length: 55.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

Job Ticket: 20258

DST#: 2

ATTN: Eddie Glassman

Test Start: 2005.02.07 @ 06:15:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	OCMM-25%O-30%W-45%M	0.419
130.00	Free Oil	1.824

Total Length: 180.00 ft Total Volume: 2.243 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

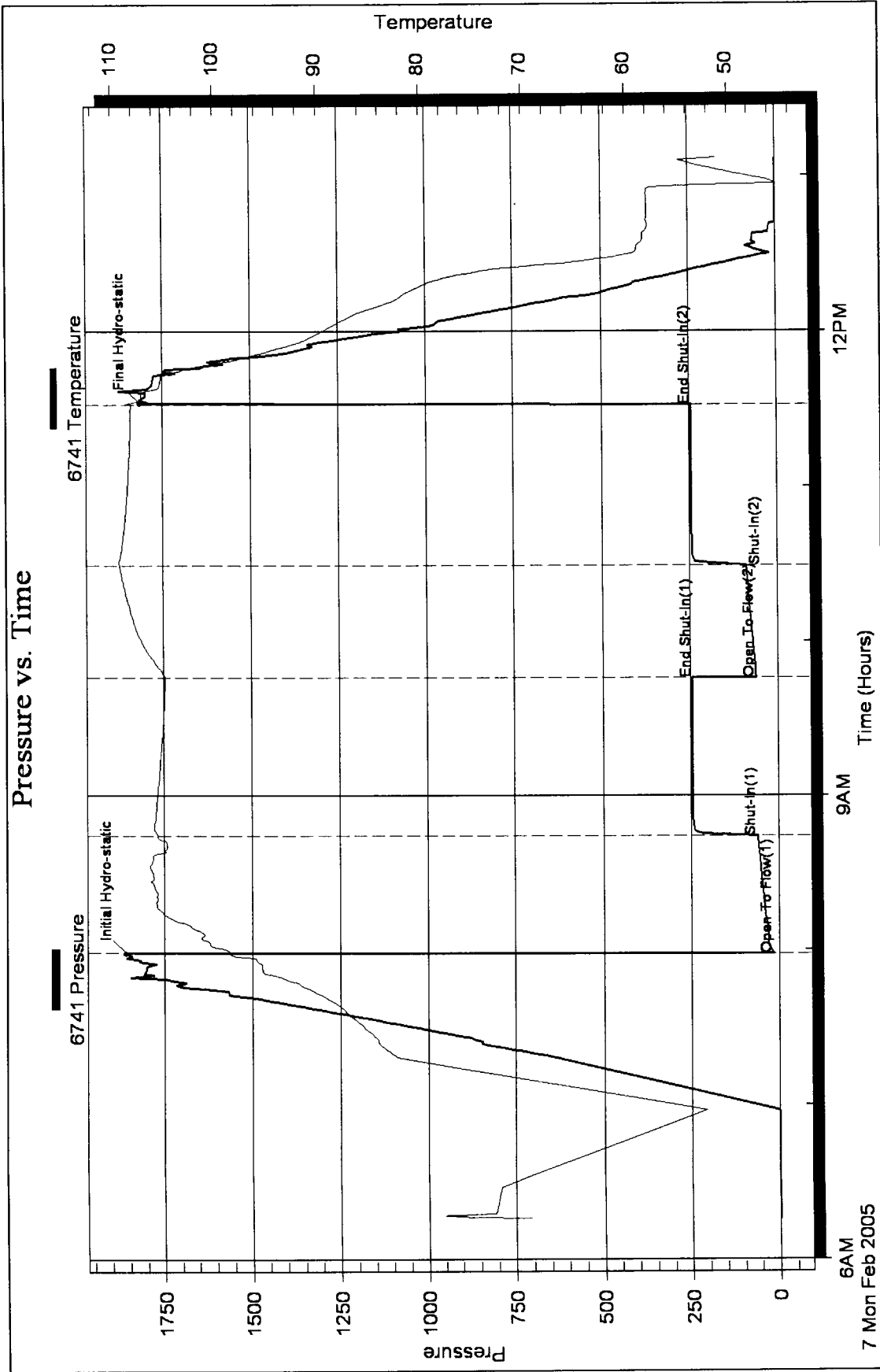
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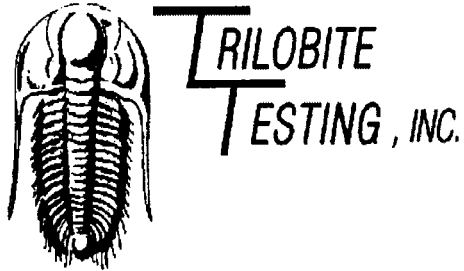
Inside

Tengasco Inc.

4-10s-21w-Graham

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Tengasco Inc.**

Po Box 458
Hays, Ks.67601

ATTN: Eddie Glassman

4-10s-21w-Graham

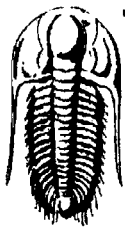
DeYoung #5

Start Date: 2005.02.07 @ 19:05:48

End Date: 2005.02.08 @ 02:56:48

Job Ticket #: 20259 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

Job Ticket: 20259

DST#: 3

ATTN: Eddie Glassman

Test Start: 2005.02.07 @ 19:05:48

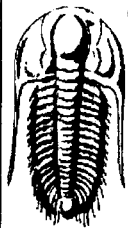
Tool Information

Drill Pipe:	Length: 3773.00 ft	Diameter: 3.80 inches	Volume: 52.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 53.08 bbl</u>	Tool Chased 7.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3818.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3798.00	
Shut In Tool	5.00			3803.00	
Hydraulic tool	5.00			3808.00	
Packer	5.00			3813.00	21.00 Bottom Of Top Packer
Packer	5.00			3818.00	
Stubb	1.00			3819.00	
Perforations	2.00			3821.00	
Recorder	0.00	6741	Inside	3821.00	
Change Over Sub	1.00			3822.00	
Blank Spacing	31.00			3853.00	
Change Over Sub	1.00			3854.00	
Perforations	10.00			3864.00	
Recorder	0.00	13221	Outside	3864.00	
Bullnose	3.00			3867.00	49.00 Bottom Packers & Anchor

Total Tool Length: 70.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Tengasco Inc.

DeYoung #5

Po Box 458
Hays, Ks. 67601

4-10s-21w-Graham

Job Ticket: 20259

DST#: 3

ATTN: Eddie Glassman

Test Start: 2005.02.07 @ 19:05:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Muddy Water	0.559
1320.00	Frothy Oil-10%G-75%O-10%W-5%M	18.516

Total Length: 1380.00 ft

Total Volume: 19.075 bbl

Num Fluid Samples: 0

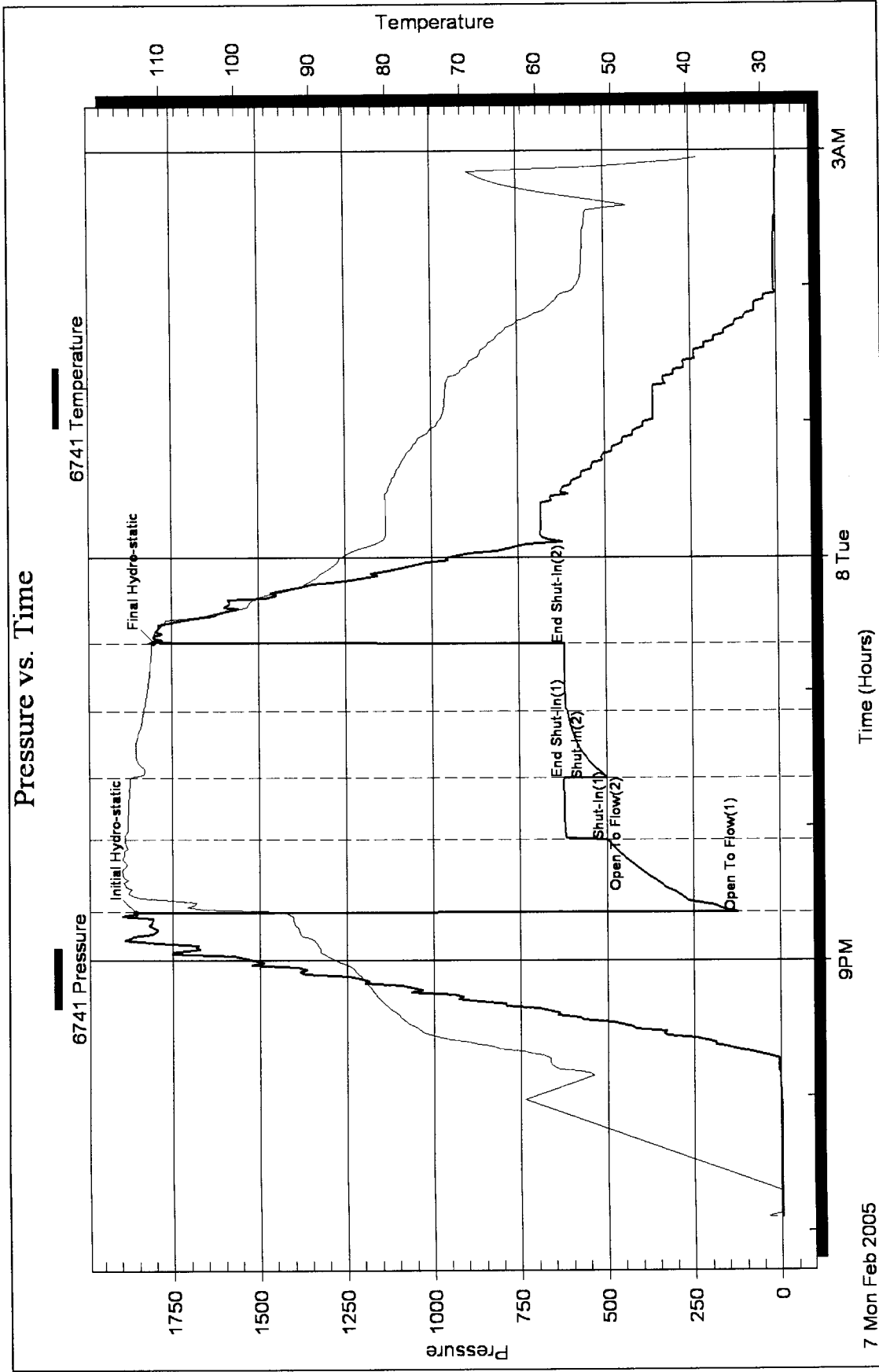
Num Gas Bombs: 0

Serial #:

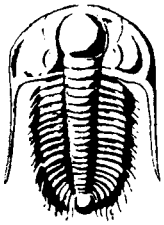
Laboratory Name:

Laboratory Location:

Recovery Comments:



2 hrs ✓



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 7181

No 20257

05/03

Test Ticket

Well Name & No. De Young #5 Test No. 1 Date 2-6-05
 Company Tengasco Inc Zone Tested LKC-I-J
 Address PO Box 458, Hays, Ks 67601 Elevation 2285 KB 2275 GL
 Co. Rep / Geo. Eddie Glassman Cont. Discovery #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 4 Twp. 10s Rge. 21w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3676 - 3700 Initial Str Wt./Lbs. 45,000 Unseated Str Wt./Lbs. 45,000
 Anchor Length 24' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3671 Tool Weight 1500
 Bottom Packer Depth 3676 Hole Size 7 7/8" Rubber Size 6 3/4" ✓
 Total Depth 3700 Wt. Pipe Run 0 Drill Collar Run 31
 Mud Wt. 9.0 LCM 1/2# Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3649

Blow Description IFP - Weak Blow 44"
ISI - Dead
FFP - Weak Surface Blow After 25 min.
FSI - Dead

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>3</u>			
Rec. <u>3</u>	Feet of <u>Mud With Oil spots</u>	%gas	%oil
Rec. _____	Feet of <u>in tool</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>102°</u>	°F Gravity	°API D @	°F Corrected Gravity
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>2.00</u> ppm System

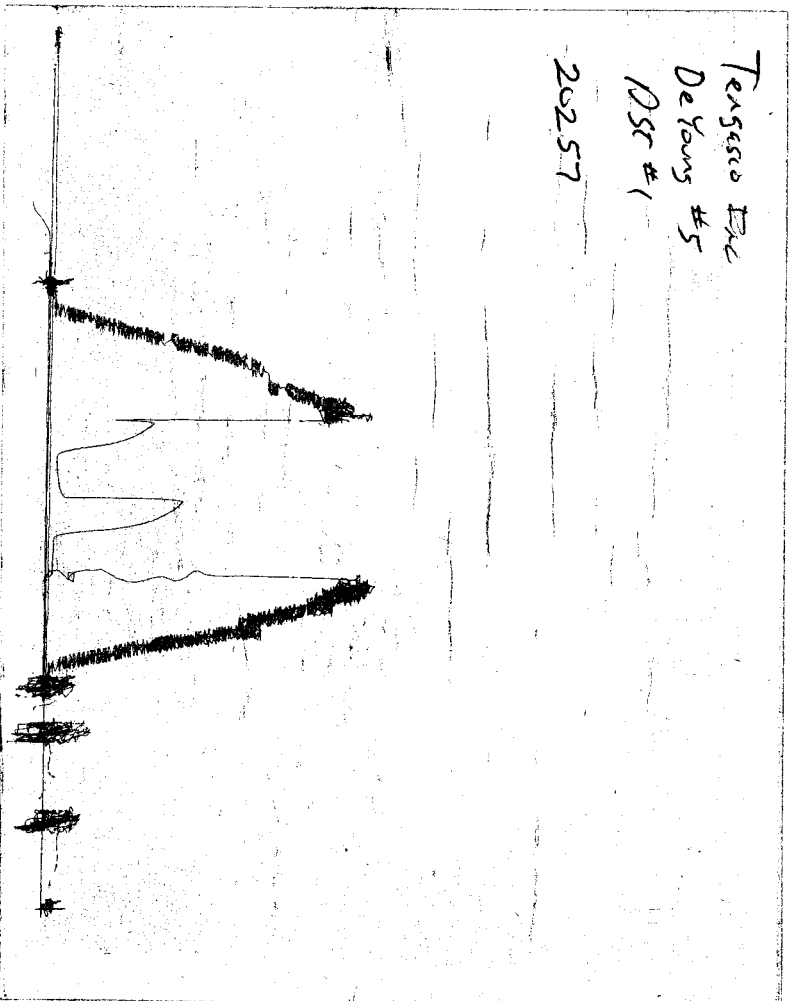
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1769</u>	PSI	<u>6741</u>	✓ <u>900</u>
(B) First Initial Flow Pressure	<u>8</u>	PSI	(depth) <u>3677</u>	Elec. Rec. ✓
(C) First Final Flow Pressure	<u>19</u>	PSI	Recorder No. <u>13221</u>	Jars _____
(D) Initial Shut-In Pressure	<u>838</u>	PSI	(depth) <u>3697</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>21</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>25</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>664</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1754</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>92</u> <u>92</u>
			T-On Location <u>10:15</u>	Sub Total: <u>992</u>
			T-Started <u>10:52</u>	Std. By _____
			T-Open <u>12:16</u>	Other _____
			T-Pulled <u>14:16</u>	Total: _____
			T-Out <u>16:10</u>	

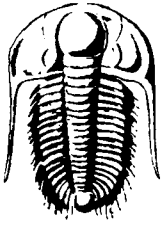
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____
 Our Representative Jason McJannet Thank You

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20258

05/03

Test Ticket

Well Name & No. DeYoung Test No. 2 Date 2-7-05
 Company Tengasco Inc. Zone Tested Arbuckle
 Address PO Box 458, Hays, Ks. 67601 Elevation 2285 KB 2275 GL
 Co. Rep / Geo. Eddie Glassman Cont. Discovery #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 4 Twp. 10s Rge. 21w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3818-3852 Initial Str Wt./Lbs. 45,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 34' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3813 Tool Weight 1600
 Bottom Packer Depth 3818 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3852 Wt. Pipe Run 0 Drill Collar Run 31
 Mud Wt. 9.0 LCM 1/2# Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3773
 Blow Description IFP - Good Blow, BOB in 34 min.
ISI - Surface Blowback after 30 min.
FFP - Fair Blow, Built to 6"
FSE -

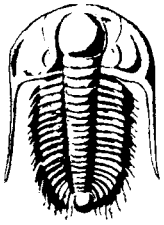
Recovery - Total Feet 180 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 130 Feet of Free Oil/10% W %gas 90 %oil 10 %water _____ %mud _____
 Rec. 50 Feet of OCM W %gas 25 %oil 30 %water 45 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT _____ °F Gravity 24 °API D @ 40 °F Corrected Gravity 26 °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1860</u> PSI	<u>6741</u>	<u>900</u>
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>3824</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure		<u>60</u> PSI	Recorder No. <u>13221</u>	Jars _____
(D) Initial Shut-In Pressure		<u>243</u> PSI	(depth) <u>3849</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>62</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>88</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>244</u> PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1814</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

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Approved By _____
 Our Representative Jason McJannet *Thank You*

Final Flow	<u>45</u>	Shale Packer	<u>\$ 92.00</u>
Final Shut-In	<u>60</u>	Mileage	<u>992.00</u>
T-On Location	<u>5:28</u>	Sub Total:	<u>992.00</u>
T-Started	<u>6:15</u>	Std. By	_____
T-Open	<u>8:00</u>	Other	_____
T-Pulled	<u>11:30</u>	Total:	_____
T-Out	<u>13:05</u>		



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20259

05/03

Test Ticket

Well Name & No. DeYoung #5 Test No. 3 Date 2-7-05
 Company Tengasco Inc. Zone Tested Arbuckle
 Address Po Box 458, Hays, Ks. 67601 Elevation 2285 KB 2275 GL
 Co. Rep / Geo. Eddie Glassman Cont. Discovery #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 4 Twp. 10s Rge. 21w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3818 - 3867 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 55,000
 Anchor Length 52' 49' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 3813 Tool Weight 2,000
 Bottom Packer Depth 3818 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3867 Wt. Pipe Run 0 Drill Collar Run 31
 Mud Wt. 9.1 LCM 1/2 Vis. 48 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3773

Blow Description IFP - Strong Blow, BOB in 1 1/2 min.
ISI - Dead
FFP - Strong Blow, BOB in 2 min
FSI - Surface Blowback after 15 min.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>1320</u>	<u>60</u>	<u>10</u>	<u>10</u>
Rec. <u>1320</u> Feet of <u>Frothy Oil</u>		<u>75</u> %gas	<u>10</u> %water
Rec. <u>60</u> Feet of <u>Muddy Water</u>		<u>80</u> %water	<u>20</u> %mud
Rec. _____ Feet of _____		%gas	%oil %water %mud
Rec. _____ Feet of _____		%gas	%oil %water %mud
Rec. _____ Feet of _____		%gas	%oil %water %mud

BHT 111° °F Gravity 23 °API D @ 30 °F Corrected Gravity 26 °API
 RW 579 @ 23° °F Chlorides 23,000 ppm Recovery _____ Chlorides 2,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1855</u> PSI	<u>6741</u>	✓
(B) First Initial Flow Pressure		<u>123</u> PSI	(depth) <u>3822</u>	Elec. Rec. ✓
(C) First Final Flow Pressure		<u>502</u> PSI	Recorder No. <u>13221</u>	Jars _____
(D) Initial Shut-In Pressure		<u>621</u> PSI	(depth) <u>3864</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>499</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>611</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>618</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1802</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage _____

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Approved By _____
 Our Representative Jason McJannet

T-On Location 18:15
19:05
 T-Started _____
 T-Open 21:20
 T-Pulled 23:20
 T-Out 2:50

Sub Total: 992
 Std. By 3/4 22.50
 Other _____
 Total: \$ 1014.50

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart.

